

Recombinant Human Casein Beta, His-tagged

Cat. No. CSN2-5541H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CSN2protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.
Species	Human
Description	CSN2, also known as beta-casein precursor, belongs to the beta-casein family. CSN2 has important role in determination of the surface properties of the casein micelles.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol, 0.5M NaCl, 0.25M imidazole, 1mM DTT, 0.1mM PMSF.
Molecular Weight	26.6 kDa(236aa) confirmed by MALDI-TOF
Purity	> 95% by SDS-PAGE
Concentration	0.25mg/ml (determined by Bradford assay)
Sequences of amino acids	MGSSHHHHHSSGLVPRGSH MGSHMRETIE SLSSEESIT EYKQKVEKVK HEDQQQGEDE HQDKIYPSFQ PQPLIYPFVEPIPYGFLPQN ILPLAQPAVV LPVPQPEIME VPKAKDTVYT KGRVMPVLKS PTIPFFDPQI PKLTDLENLHLPLLLQPLM QQVPQPIPQT LALPPQPLWS VPQPKVLPPI QQVVPYPQRA VPVQALLNQ ELLLNPTHQIYPVTQPLAPV HNPISV
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store

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at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

Pathways Glucocorticoidreceptor regulatory network; Signaling events mediated by PTP1B

GENE INFORMATION

Gene Name CSN2 casein beta [Homosapiens]

Official Symbol CSN2

Synonyms CSN2; casein beta; CASB; beta-casein

Gene ID 1447

mRNA Refseq NM_001891

Protein Refseq NP_001882

MIM 115460

UniProt ID P05814

Chromosome Location 4q21.1

Function calcium ion binding; enzyme inhibitoractivity; transporter activity

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